

L 10344-63

Protection of the Population (Cont.)

SOV/6428

Ch. III. Principal Means of Protection From an Air Attack
(Individual and Collective)

113

Ch. IV. Instructions and Responses to Civil Defense Signals

150

Ch. V. Liquidating the Consequences of an Aerial Attack

173

AVAILABLE: Library of Congress

SUBJECT: Civil Defense

bm/CA
Card 3/3

AD/dk/os
7/30/63

BOGOLYUBSKIY, K. A.

BOGOLYUBSKIY, K. A. -- GEOMETRIC THEORY OF THREE-DIMENSIONAL GEARING, COMPOSED OF GEARS
MADE BY AN INVOLUTE GEAR CUTTER." SUB 28 APR 52, MOSCOW ORDER OF LABOR RED BANNER
HIGHER TECHNICAL SCHOOL IMENI BAUMAN (DISSERTATION FOR THE DEGREE OF CANDIDATE IN
TECHNICAL SCIENCES)

50; VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

VOLKOV, S.A.; BOGOLYUBSKIY, K.A.

~~XXXXXXXXXXXXXXXXXXXX~~
Pumpless boring. Trudy MGRI 30:102-114 '56. (MLRA 9:11)
(Boring)

BOGOLYUBSKIY, K.A.; BASHKATOV, D.N.

Determining the efficiency of auger performance and the energy
used for removing cuttings by a vertical auger. Izv.vys.
ucheb.zav.; geol.i razv. 2 no.3:112-117 Mr '59.
(MIRA 12:12)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.
(Augers)

BOGDLYUBSKIY, K.N.

Dependability of contact breaker VM-35.

Elek. sta. 23 no. 3, 1952

Inzh.

BOGOLYUBSKIY, K.N.

Checking the strength of wooden poles
Elek. sta. 23 no. 4 (1952)
Inzh.

SOV/130-58-10-13/18

AUTHORS: Bogolyubskiy, N., Borisov, S., et al.

TITLE: Grigoriy Markelovich Il'in - Obituary

PERIODICAL: Metallurg, 1958, Nr.10, p.36. (USSR)

ABSTRACT: In 1921 Il'in started work in the "Serp i Molot" factory as a furnace operator, then as a foreman of the open hearth furnace shop. He was the first to introduce rapid repairs of open-hearth furnaces, in 8 days instead of 2 to 3 months. He wrote two books which are still considered valuable technical manuals. In 1938 he became director of "Serp i Molot", a post which he retained until he died in 1958 at the age of 64. He was awarded the Stalin Prize and a number of other prizes.

Card 1/1

BOGOLYUBSKIY, S., dots.

Using garrets for keeping poultry. Sel'.stro1. 13 no.2:5-6 F '59.
(MIRA 12:3)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Leningrad Province--Poultry houses and equipment)

BOGOLYUBSKIY, S.I.

30424

Vliyaniye na postembional'noye razvitiye zhivotnykh izmenennogo embrional'nogo bitaniya (Obzor Literatury). Trudy Pushkinskoy nauch. - isslyed. laboratorii razvyedeniya s. - kh. zhivotnykh, vyp. 3, 1949, s. 7-16.

SO: LETOPIS' No. 34

BOGOLYUBSKIY, S.I.

30425

Razvitiye tsyplyat, vyyvyedyennykh iz yaits s zamenyennym byelkom. Trudy Pushkinskoy
nauch. - isslyed. Laboratorii razvyedeniya s. kh. zhivotnykh, vyp. 3, 1949, s. 17-24

SO: LETOPIS' No. 34

BOGOLYUBSKIY, S. I.

Bogolyubskiy, S. I. - "A method of exchanging the liquid fraction of the albumen of an incubated egg for the same fraction extracted from an egg of another strain or type", Trudy Pushkinskoy nauch.-issled. laboratorii razvedeniya s.-kh. zhivotnykh, Issue 2, 1949, p. 5-9.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 8, 1949).

BOGOLYUBSKIY, S.I.

From the history of Russian zootechny
Sov. zootekh. 7, no. 7, 1952

BOGOLYUBSKIY, S.I., kand.sel'skokhz.nauk; FOMIN, A.I., kand.sel'-
skokhoz.nauk.; TOLMACH, Ye.F., aspirant; BUGAYEV, G.I.

Keeping young chickens in shrubbery and forest shelter-
belts. Ptitsevodstvo 9 no.8:20-22 Ag '59. (MIRA 12:12)

1. Pushkinskaya nauchno-issledovatel'skaya laboratoriya
razvedeniya sel'skokhozyaystvennykh zivotnykh. 2. Starshiy
zootekhnik ptitsesovkhoza "Novyy Oskol" (for Bugayev).
(Poultry)

~~BOGOLYUBSKIY, S.I.~~; VASIL'YEV, V.O.; IOTSIUS, G.P., kand. sel'-
khoz. nauk; KONDRATYUK, N.D., kand. ekon. nauk; PATRIK,
I.A., kand. sel'khoz. nauk; PEL'TSER, S.O., kand. sel'-
khoz. nauk; SMETNEV, S.I., akademik; TIKHOMIROV, A.Ye.,
kand. tekhn. nauk; FEDOROVSKIY, N.P., kand. biol. nauk;
GROMOVA, A.V., red.

[Manual for the poultry farmer] Spravochnik ptitsevoda.
Izd.2., perer. i dop. Moskva, Kolos, 1965. 413 p.
(MIRA 18:7)

1. Vsesoyunnaya akademiya sel'skokhozyaystvennykh nauk
imeni V.I.Lenina (for Smetnev).

[illegible]

BOGOLYUBSKIY, S.N., professor

Growth and development of the digestive tract in sheep. Trudy Inst.
eksp.biol. AN Kazakh.SSR 2:209-230 '54. (MLBA 10:2)

1. Chlen-korrespondent AN KazSSR.
(SHEEP) (ALIMENTARY CANAL)

Bogolyubskiy, S.N.
USSR / General Biology - Individual Development.

B

Abs Jour: Ref Zhur-Biol., NO 9, 1958, 38000.

Author : Bogolyubskiy, S. N.

Inst : Not given.

Title : Growth Periodization of Body Parts and Organs
in Sheep During the Fetal Period.

Orig Pub: V sb.: Probl. sovrem. embriologii L., Un-t,
1956, 140-150.

Abstract: A study was conducted of the growth and development of different fetal organs in caracul and merino sheep. The sbatpol group was fed on usual rations; the experimental group received an additional 400 g of concentrates daily. In the uterus of the experimental group the growth of skeletons and muscles of fetuses was somewhat hastened by comparison with the control, but their final weight was the same. Neither in the

Card 1/3

8

USSR / General Biology - Individual Development.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38000.

Abstract: growth of parts of the axial skeleton, nor in the growth of any links of limb scales was any growth intensification found. Growth intensification of individual muscles at different periods varies depending on their functional role in the fetal movements within the uterus. Critical moments are observed in the growth of skeleton and muscle, which are manifested by marked changes in growth intensity and intensification of differentiation. Also in the development of the digestive tract increases of growth intensity occur, and these coincide with the intensity of differentiation. A study was also conducted of the growth and development of internal secretion glands (thyroid and ovarian), the skin and its derivatives. Two waves of rudiment formations are characteristic in hair de-

Card 2/3

USSR / General Biology - Individual Development.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38000.

Abstract: velopment: first the osteoid ones (at the end of the Second month) and subsequently the downy ones (from the 70th day of development). After the 105-110th day, the epidermis permanently loses the ability to form new hair follicles. Therefore the number of follicles in fetuses and newborn lambs can serve as indices of subsequent wool production.

The significance is noted of the 90-105 day period of life as the critical one in the course of development of the skeleton, musculature, digestive tract, skin and brain. The author notes that in sheep no attention of growth and differentiation periods was observed.

Card 3/3

9

BOGOLYUBSKIY, S.N.

Origin of domestic animals. Nauka i zhizn' 23 no.1:38-42 Ja '56.

1. Chlen-korrespondent Akademii nauk Kazakhskoy SSR.
(Domestic animals)

BOGOLYUBSKIY, S.N.

"Lungs and heart of animals and man." V.N. Zhedenov. Reviewed
by S.N. Bogoliubskii. Zool.zhur. 35 no.6:943-944 Je '56.
(MLRA 9:10)

(HEART) (LUNGS) (ZHEDENOV, V.N.)

BOGOLYUBSKIY, S.N.

Conference on problems of the individual development of farm
animals. Usp.sovr.biol. 42 no.1:115-120 J1-Ag '56. (MLRA 9:10)
(ONTOGENY) (DOMESTIC ANIMALS)

BOUCHIBSKII, S.N.

Origin of animal husbandry as a branch of primitive economy. Biol.
MOIP.Otd.biol. 61 no.3:105-106 My-Je '56. (MLRA 9:10)
(DOMESTICATION)

USSR/Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101138

Author : Bogolyubskiy, S.N.

Inst : Institute of Animal Morphology, AS USSR

Title : Current Problems of Embryonal and Adult
Morphology of Farm Animals.

Orig Pub: Tr. In-ta morfol. zhivotnykh. AN SSR, 1957,
vyp. 22, 7-15

Abstract: This paper scrutinizes achievements in studying
the principles governing the individual develop-
ment of farm animals, and discusses at the same
time methods of influencing prenatal and post-
natal processes of animal development. The
interrelationship of onto- and phylogenesis is
established. Phylogenesis is subject to chan-
ges with each new ontogenesis. Breed charac-

Card 1/3

USSR/Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur-Biol, No. 22, 1958, 101138

teristics of animals are formed during early development stages of the embryo. Conditions under which development progresses determine the deviations in the formation of the embryo (accelerated or delayed growth, time changes of organ formations, changes of development states and constitution). The state of health of the pregnant female reflects upon the development of the fetus. Feeding conditions affect changes of individual development. Studies were made as to natural laws governing skeletal growth, gastrointestinal tract development, development of ovaries, of the thyroid and of the skin, as well as of wool in sheep. The changes of breed characteristics according to age should be studied. Elucidation of factors responsible for organic

Card 2/3

1

USSR/Farm Animals. General Problems:

Q-1

Abs Jour: Ref Zhur - Biol., No. 22, 1958, 101138

development will be of assistance in establishing methods which may be used in order to influence the development of the organism.

Card 3/3

BOGOLYUBSKIY, S.N., prof.

~~Development of domestication~~ changes in sheep; description of fetuses
of the arkhar (*Ovis ammon polii*). Trudy Inst. eksp. biol. AN Kazakh.
SSR 4:3-15 '58 (MIRA 11:7)

1. Galen-korrespondent AN KazSSR.
(FETUS)
(DOMESTICATION)
(SHEEP--ANATOMY)

BOGOLYUBSKIY, S. N.

Proiskhozhdenie i preobrazovanie domashnikh zhivotnykh
(Origin and transformation of domestic animals). Textbook for State
universities. M., "Sov. nauka," 1959, 593 pages with illustrations.
Price 13 r. 15 k. bound; 6,000 copies.

BOGOLYUBSKIY, S.N.

Sixth All-Union Congress of Anatomists, Histologists, and
Embryologists. Izv.AN SSSR.Ser.biol. no.3:458-472 My-Je
'59. (MIRA 12:9)

(BIOLOGY--CONGRESSES)

BOGOLYUBSKIY, S.N.

~~BOGOLYUBSKIY, S.N.~~
Morphological characteristics of changes due to domestication.
Izv.AN SSSR.Ser.biol. no.4:522-541 J1-Ag '59. (MIRA 12:9)

1. Institute of Animal Morphology, Academy of Sciences of the
U.S.S.R., Moscow.

(DOMESTICATION)

BOGOLYUBSKIY, S.N.

Weight characteristics of fetal growth of the skeleton and
muscles in the Soviet merino sheep. Trudy Inst.morf.zhiv.
no.23:68-90 '59. (MIRA 13:2)
(Merino sheep) (Fetus)

BOGOLYUBSKIY, S.N.

Prenatal formation and development of body structure in the
Soviet and French merino sheep. Trudy Inst.morf.zhiv.
no.23:277-339 '59. (MIRA 13:2)
(Merino sheep) (Fetus)

BOGOLYUBSKIY, S.N.

Some morphological characteristics of early maturity in meat
type farm animals. Pt.1. Biol.MOIP. Otd.biol. 64 no.5:99-115
S-0 '59. (MIRA 13:6)
(MORPHOLOGY (ANIMALS)) (CATTLE) (SHEEP)

BOGOLYUBSKIY, S.N.

Some morphological regularities of early maturity in meat type
farm animals. Pt.2. Biul. MOIP. Otd.biol. 64 no.6:121-130 N-D
'59. (MIRA 13:5)
(MORPHOLOGY (ANIMALS)) (DOMESTIC ANIMALS)

BOGOLYUBSKIY, S.N.

Question of the origin of breed and production characteristics in
the individual development of livestock. Trudy Inst.morf.zhiv.
no.31:7-15 '60. (MIRA 13:6)

1. Institut morfolgii zhivotnykh imeni A.N.Severtsova.
(Stock and stockbreeding)
(Morphology (Animals)) .

BOGOLIUBSKI, S.N. [Bogolyubskiy, S.N.]

Morphologic rules of modification provoked by domestication.
Analele biol 14 no.1:97-119 Ja-Mr '60.

AKAYEVSKIY, A.I., prof.; BOGOLYUBSKIY, Sergey Nikolayevich, prof.;
VOKKEN, Gans Gansovich, prof.; GLAGOLEV, Pavel Alekseyevich,
prof.; ZHEDENOV, V.N., prof.; PETROVSKAYA, L.P., red.;
VORONINA, R.K., tekhn.red.

[Anatomy of domestic animals] Anatomia domashnikh zhivotnykh
v trekh chastiakh. Moskva, Gos.izd-vo "Vysshaya shkola." Pt.1.
[System of the motor organs] Sistema organov dvizheniya. Pod
red. A.I.Akayevskogo. 1961. 390 p. (MIRA 15:5)
(Veterinary anatomy)

BOGOLYUBSKIY, S.N.

Weight growth of the skeleton, muscles, and internal organs
during the postnatal ontogenesis of the Soviet Merino and other
sleep breeds. Trudy Inst. morf. zhiv. no.35:7-57 '61.
(MIRA 14:6)

(Sheep--Anatomy) (Growth)

BOGOLYUBSKIY, S.N. (Moskva, K-9, Strastnoy bul., 10, kv. 39)

"General anatomy of domestic animals" by V.N.Zhedenov. Reviewed
by S.N.Bogoliubskii. Arkh.anat.gist.i embr. 39 no.7:108-110 J1 '60.
(MIRA 14:5)

(VETERINARY ANATOMY)

(ZHEDENOV, V.N.)

BOGOLYUBSKIY, S.N.

Role of the biological science in solving problems of stock-
breeding. Biul.MOIP. Otd.biol. 65 no.3:156-157 My-Je '60. (MIRA 13:7)

(STOCK AND STOCKBREEDING)

BOGOLYUBSKIY, S.N.

Laws of the periodicity of individual development in farm animals.
Biul. MOIP. Otd. biol. 66 no.4:152-153 JI-Ag '61. (MIRA 14:7)
(DOMESTIC ANIMALS) (OTOGENY)

BOGOLYUBSKIY, S.N.

Principles of interrelationship in the historical and individual
development of domestic animals. Biul. MOIP. Otd. biol. 66 no.4:
153-154 J1-Ag '61. (MIRA 14:7)
(DOMESTIC ANIMALS) (EVOLUTION)

BOGOLYUBSKIY, S.N.

Conference on some regularities in the individual development
of farm animals. Usp. sovr. biol. 56 no.1:139-141 61-Ag'62

(MIRA 16:10)

(VETERINARY PHYSIOLOGY)

BOGOLYUBSKIY, S.N.

[Regularities in the individual development of farm animals] Zakonomernosti individual'nogo razvitiia sel'skokhoziaistvennykh zhivotnykh. Moskva, Nauka, 1964. 310 p.
(MIRA 18:9)

1. Akademiya nauk SSSR. Institut morfologii zhivotnykh.

ZHEDENOV, Vladimir Nikolayevich [deceased]; LEBEDEV M.I., prof.,
red.; AKAYEVSKIY, A.I., prof., red.; BOGOLYUBSKIY, S.N.,
prof., red.; PETROVSKAYA, L.P., red.

[Anatomy of domestic animals in 3 parts] Anatomia do-
mashnikh zhivotnykh v 3-kh chastiakh. Moskva, Vysshaya
shkola. Pt.2. 1965. 410 p. (MIRA 18:7)

③

BOGOLYUBSKIY, S.P., prof., otv. red.; KOLPAKOVA, Ye.A., red.

[Characteristics of the development of skin and wool in sheep; age-related changes] Zakonomernosti razvitiia kozhi i shersti u ovets; vozrastnye izmeneniia. Moskva, Nauka, 1965. 198 p. (MIRA 18:7)

1. Akademiya nauk SSSR. Institut morfologii zhivotnykh.

BOGOLYUBSKIY, V. A.

✓ Determination of cobalt and nickel in manganese ores and
manganese-containing slags with the aid of ethylanthropo-
ate. A. T. Pilyenko and V. A. Bogolyubskiy (Ukrainian
Chemical Institute, Kiev, Ukraine). *Zh. Anal. Khim.* 1968, 23, 11.
D. 1968 (in Russian). - Decoupling a sample in concentrated HCl
and remove SO₂. Transfer the filtrate to a separatory
funnel and to 5-10 ml. add K₂ ethylanthropoate to precipitate
the cobalt and nickel. In the organic layer
separatory funnel add an NH₄OH soln. of tartarate. Fe
as tartarate and Ni as ammines enter the aq. layer and Co
remains in the CCl₄ layer. Sep. the org. layer, filter, and
det. Co photometrically. Det. Ni in the aq. layer. A Co
content of 0.00-1 mg. was detd. to ± 0.04 mg. and 0.1
2.0 mg. Ni was detd. to ± 0.05 mg. M. Hough

67M JSS

BOGOLYUBSKIY, V.A.

Synthesis of some Mannich bases of hydroquinone derivatives.
Zhur. ob. khim. 30 no.11:3589-3591 N'60. (MIRA 13:11)
(Mannich bases) (Hydroquinone)

BOGOLYUBSKIY, V.A.; SHCHUMELYAK, G.P.; GRECHKO, L.V.; VILENSKIY, Yu.B.

Investigating the non-diffusing reducing agents for multilayer
color films. Usp. nauch. fot. 8:61-66 '62. (MIRA 17:7)

BOGOLYUBSKIY, V.A.

2-Isopropyl- and 2,5-diisopropylhydroquinones. Zhur.ob.khim.
32 no.3:869-873 Mr '62. (MIRA 15:3)
(Cymene)

BABICHEV, F.S.; BOGOLYUBSKIY, V.A.; KIBIREV, V.K.; MIKHAYLENKO, F.A.

Condensation of thiolactams with halogenated ketones.

Zhur.ob.khim. 32 no.9:2793-2797 S '62.

(MIRA 15:9)

1. Kiyevskiy gosudarstvennyy universitet.
(Lactams) (Ketones)

BOGOLYUBSKIY, V.A.; CHRECHKO, L.V.

Formation of light blue dyes in color films containing
alkyl hydroquinones. Zhur.nauch.i prikl.fot.i kin.
7 no.6:461-462 N-D '62. (MIRA 15:12)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo
kinofotoinstituta, Shostka.
(Color photography--Films)
(Hydroquinone)

ACCESSION NR: AF3000120

S/0062/63/000/005/0789/0793

AUTHOR: Sholina, S. I.; Bogolyubskiy, V. A.; Kruglyakova, K. Ye.

TITLE: Antioxidative effectiveness of some hydroquinone derivatives

SOURCE: AN SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 5, 1963, 789—793

TOPIC TAGS: antioxidants, hydroquinone derivatives, Mannich reaction

ABSTRACT: The authors describe the synthesis of the following compounds by aminomethylation using the Mannich reaction: (1) 2,5-bis-(dimethylaminomethyl) hydroquinone; (2) 2,3-bis-(dimethylaminomethyl)-5-isopropylhydroquinone; (3) 2,5-bis-(diethylaminomethyl)hydroquinone; and (4) 2-diethylaminomethyl-4-methoxyphenol. Compounds (1)-(3) proved to be more effective antioxidants than hydroquinone and propylgallate when tested under standard conditions with methyl oleate at 90C and an O sub 2 pressure of 300 mg Hg for 20 minutes. Substitution of mixed alkyl and aminomethyl groups (compound 1) increased the antioxidative effectiveness to 5 times that of hydroquinone. Substitution of a secondary aminomethyl group in the O-position in the monoethyl ether of hydroquinone (compound 4) had no effect on the antioxidative properties. "The authors express their gratitude to N. M. Emanuel for his continued interest in their work." Orig. art. has: 2 figures, 1 formula, and 1 table.

Card 1/2

ACCESSION NR: AP3000120

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences SSSR)

SUBMITTED: 22 Jun 62

DATE ACQ: 12 Jun 63

ENCL: 00

SUB CODE: CH

NO REF SOV: 003

OTHER: 004

Card 2/2

BOGOLYUBSKIY, V.A.; SHUMELYAK, G.P.

Alkylation of phenol with alcohols and unsaturated hydrocarbons in the presence of hydrochloric acid solutions of zinc chloride. Zhur.prikl. khim. 37 no.1:226-227 Ja '64. (MIRA 17:2)

1. Shostkinskiy filial Vsesoyuznogo nauchno-issledovatel'skogo kino-fotoinstituta.

BOBOLYUBSKIY, V. I.,

Izvolochnye Kanaty.

Moscow, 1950.

784r.

A detailed description of the organization of wire and steel cable production, including the characteristics of the materials used, description of machines, instruments and tools, as well as lifting and transport means of wire and cable factories. The book is used as a reference for engineers, and technicians of the cable factories, and personnel dealing with the exploitation of ready made cables.

YUKHVETS, I.A., kandidat tekhnicheskikh nauk; ~~BOGOLYUBSKIY, V.I.,~~ redaktor;
SIDOROV, V.N., redaktor; VAYNSHTAYN, Ye.B., tekhnicheskii redaktor

[Metal drawing] Volochil'noe proizvodstvo. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. Pt.1. 1954.
271 p. (Metal drawing) (MLRA 8:3)

BOGOLYUBSKIY, V.I.

DNESTROVSKIY, Nikolay Zel'manovich; ~~BOGOLYUBSKIY, V.I.~~, inzhener, retsen-
zent; LEKARENKO, Ye.M., inzhener, retsenzent; SHPICHENETSEY, Ye.S.,
redaktor; STARODUBTSEVA, S.N., redaktor; BEKKER, O.G., tekhnicheskiy
redaktor.

[Drawing of nonferrous metals and alloys] Volochenie tsvetnykh metalov
i splavov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1954. 270 p. (MLRA 8:3)
(Metal drawing)(Nonferrous metals--Metallurgy)

BUKSHTEYN, Mikhail Abramovich; ~~BOGOLYUBSKIY, V.I.~~ redaktor; GORDON, L.M.,
redaktor; EVENSON, I.M., ~~tekhnicheskiiy~~ redaktor.

[Production of steel and combined cables] Proizvodstvo stal'nykh i
kombinirovannykh kanatov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1954. 458 p. (MLRA 8:1)
(Cables)

YUKHVETS, Izrail' Abramovich. Prinimal uchastiye: KRASIL'SHCHIKOV, R.B..
KADYKOV, N.I., retsenzent; ZALOGIN, S.A., retsenzent; ~~BOGO~~
~~LYUBSKIY, V.I., red.~~; GOROBINCHENKO, V.M., red.izd-va; ISLENT'YE-
VA, P.G., tekhn.red.

[Metal-drawing work] Volochil'noe proizvodstvo. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii.
Pt.2. 1960. 286 p. (MIRA 13:1)

1. Giprometiz (for Krasil'shchikov).
(Drawing (Metalwork))

BOGOLYUBSKIY, V.I.

Structure and properties of steel wire. Sbor. trud TSNIICHM no.35:
110-121 '63. (MIRA 17:2)

4
BOGOLYUBSKIY, V.I.; ALEKSEYEV, V.V.

Effect of various factors on the fatigue strength of wire and the
durability of wire rope. Sber. trud TSNIICHM no.35:122-131 '63.
(MIRA 17:2)

BOGOLYUBSKIY, V. N.

BOGOLYUBSKIY, V. N.

"Effect of Reinforcement with Glassy and Glass
Bibers upon the Durability of Structures from Cement Mortars and
Concrete." Min Higher Education USSR, Tomsk Order of Labor Red Banner
Polytechnical Inst imeni S. M. Kirov, Tomsk, 1955. (Dissertation
for the Degree of Candidate in Technical Sciences)

SO: M*955, 16 Feb 56

CHUYEV, Yu.V., doktor tekhn. nauk, prof.; MEL'NIKOV, P.M.,
PETUKHOV, S.I.; STAPANOV, G.F.; SHOR, Ya.B.; KUZ'MIN,
V.I.; BOGOLYUBSKIY, V.S.; IVANUSHKO, N.D., red.

[Principles of operations research in military technology]
Osnovy issledovaniia operatsii v voennoi tekhnike. Moskva:
Sovetskoe radio, 1965. 591 p. (MIRA 18:10)

L 62271-65

ACCESSION NR: AP5016092

UR/0302/65/000/002/0052/0055
681.142.334

5

AUTHOR: Fish, M. L. (Candidate of technical sciences); Bogomaz, A. S.

B

TITLE: Integrating tetrode

SOURCE: Avtomatika i priborostroyeniye, no. 2, 1965, 52-55

TOPIC TAGS: Integrating tetrode

ABSTRACT: Generalities about the electrochemical integrating tetrode published elsewhere (e.g., K. Ioachim, "Elektronik," no. 1, 1962) are given. The tetrode, unlike a diode, provides for a continuous reading of the integral (its present value) without the necessity of turning off the main circuit. The signals being integrated are applied to electrodes 2 - 5 (see Enclosure 1); the measuring circuit is connected to 4 - 5. Fine-pore electrode 3 is intended to increase the memory of the integrator and has a negative bias with respect to 2. These characteristics measured on a laboratory model are reported: (1) The conversion characteristic:

Card 1/3

1 62271-65

ACCESSION NR: AP5016092

output current vs. input quantity of electricity; (2) The input characteristic: quantity of electricity vs. input voltage; and (3) The output characteristic: output current vs. output voltage. The output current may vary by 2-3% with a temperature variation of 1%. Orig. art. has: 4 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: EC

NO REF SOV: 003

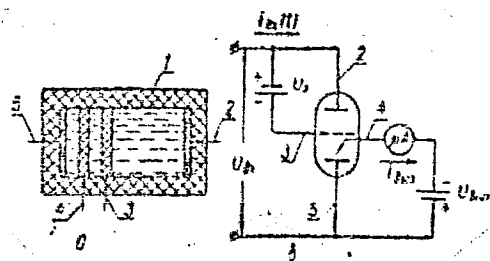
OTHER: 003

dm
Card 2/3

L 62271-65

ACCESSION NR: AP5016092

ENCLOSURE: 1



Construction

Circuit

Integrating tetrode

Card

dim
3/3

L 36854-66 EWT(1)

ACC NR: AT6021244

SOURCE CODE: UR/3217/65/000/001/0092/0099

AUTHOR: Fish, M. L. (Candidate of technical sciences); Bogomaz, A. S. (Engineer)

ORQ: none

TITLE: New method of amplification of signals of low-resistance sensors

SOURCE: Ukraine. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Priborostroyeniye. no. 1, 1965, 92-99

TOPIC TAGS: electromagnetic amplifier, dc amplifier, solion

ABSTRACT: Use of the chemotron integrating tetrode, one of solion types (E. Nelson, IEEE Trans., Ind. El., 10, no. 1, 1963), is suggested for amplification of slow-varying signals, such as output signals of low-resistance sensors (biocurrent sensor, photovoltaic cell, etc.). The principle of operation of the solion is explained, and its parameters required for this amplification are specified. A frequency-independent gain may be ensured by an input differentiating RC-circuit (USA Patent 2975373, cl. 330-41, 1961); however, this method drastically reduces the overall gain. Hence, a special current-type negative-feedback circuit is suggested for this purpose. An experimental verification included a solion with these parameters: $K = 0.8$ amp/coulomb; balance current, 400—1 ma. Amplifier frequency band, 0.001—0.5 cps; voltage gain, 14 db; operating-point drift, 2% for 8 hrs; noise, 3 μ v. Orig. art. has: 6 figures and 16 formulas.

[03]

Card 1/1 SUB CODE: 09 / SUBM DATE: 09Feb66 / ORIG REF: 001 / OTH REF: 001/ ATD PRESS: 52

ACC NR: AT6031909

SOURCE CODE: UR/0000/66/000/000/0077/0082

AUTHOR: Fish, M. L. (Docent); Bogomaz, A. S. (Aspirant)

ORG: Sevastopol Instrument Building Institute (Sevastopol'skiy priborostroitel'nyy institut)

TITLE: An integrating tetrode. (An integrating element for automation and measuring systems)

SOURCE: Lvov. Politekhnicheskii institut. Kontrol'no-izmeritel'naya tekhnika (Control and measurement techniques), no. 2. Lov, Iz-vo L'vov. univ., 1966, 77-82

TOPIC TAGS: integrating element, electrochemical reaction, oxidation reduction reaction, integrating system, electronic component

ABSTRACT: An electrochemical, current-integrating, four-electrode element functions on the principle of a reversible oxidation-reduction reaction in an electrolyte due to passage of a current. [Devices of this description are available in the United States under the trade name "Solion"]. There are several advantages in using this device when an output signal, either proportional to the time integral of the current, or the integral of a pulse train, is required. These advantages are low cost, simplicity, small size, and reliability of the electrochemical elements, low noise, simplicity of the auxiliary circuitry required, and particular suitability for amplifying slowly varying signals. An electrochemical tetrode is shown in Fig. 1. The input current

Card 1/2

ACC. NR: AT6031909

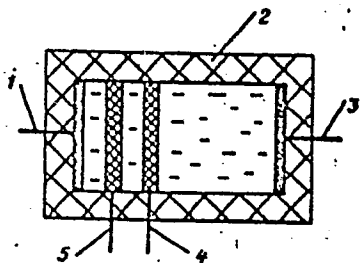


Fig. 1.

flows between electrodes 1 and 3. The amount of the oxidant in the immediate vicinity of electrode 1 is a function of the magnitude of the input current and the duration of its flow. Measuring electrode 5 is used to derive a current which is proportional to the time integral of the input current. Screen electrode 4 is used to im-

prove the characteristics of the device by controlling the current flow within the integrator. The tetrode is characterized by the factor K which is a partial derivative of the output current value with respect to the time integral of the input current. A considerable increase in sensitivity can be obtained by reducing the gap between the input (common) electrode 1 and the measuring electrode 5. The author describes the parameters and the performance of the integrating tetrodes, and suggest several potential areas of application. Orig. art. has: 7 figures.

SUB CODE: 09/ SUBM DATE: 25Mar66/ ORIG REF: 004/ OTH REF: 003

Card 2/2

PROTSENKO, D.F. [Protsenko, D.P.]; BOGOMAZ, K.I. [Bohomaz, K.I.];
KORSHUK, T.P.

Anthocyanins of the bark of fruit crops and their dynamics in a
year's time. Visnyk Kyiv.un. no.3. Ser.biol. no.1:56-62 '60.

(MIRA 16:4)

(ANTHOCYANIN)

(BARK)

(FRUIT TREES)

BOGOMAZ, K.I. [Bohomaz, K.I.]; KORSHUK, T.P.

Anthocyanins in the bark of apple varieties different as to
their frost resistance. Visnyk Kyiv.un. no.5. Ser.biol.no.2:
50-55 '62. (MIRA 16:5)

(ANTHOCYANIN) (PLANTS--FROST RESISTANCE)
(APPLE--VARIETIES)

LARIONOV, L.F., BOGOMAZ, L.A., DMITRIYEVA, Ye.V., IZVOLININA, Ye.I.
RAKHAYEVA, O.Y., TROYANOVSKIY, D.L. (Leningrad)

Sarcolysin therapy in multiple myeloma. Vrach.delo no.8:857-858
Ag '58 (MIRA 11:8)

1. Bol'nitsa imeni Sverdlova.
(MARROW--TUMORS)
(CYTOTOXIC DRUGS)

BOGOMAZ, M.S.

Our experience with nurses' aides. Fel'd i akush. 27 no.3:36-37 Mr '62.
(MIRA 15:4)

1. Chernominskaya uchastkovaya bol'nitsa Vinnitskoy oblasti.
(NURSES' AIDES)

BOGOMAZ, D.L.; GINZBURG, B.I.

Economic efficiency of the use of synthetic diamonds in grinding
and lapping hard-alloy cutting tools. Mashinostroitel' no.10:
24-25 0 '64. (MIRA 17:11)

BOGOMAZ, M.S.; BOYKO, A.G.

Prevention of abscesses at a sugar factory. Med. sestra.
21 no.1:49-50 Ja '62. (MIRA 15:3)

1. Zdravpunkt Chernominskogo sakharного zavoda imeni
Bebelya. Vinnitskiy sakharotrest.
(SUGAR WORKERS--DISEASES AND HYGIENE)

SMIRNOV, S.; BOGOMAZ, N. (Chelyabinsk); PIISKAREV, A.; VASIL'YEV, I.
(Leningrad); KHARIN, V. (Saratov); VOLKOV, A. (Ivanovo)

Exchange of experience. Radio no.1:38 Ja '63. (MIRA 16:1)
(Radio—Equipment and supplies)

SOV/109-3-9-3/20

AUTHORS: Gurevich, A. G. and Bogomaz, N. A.

TITLE: Non-Reciprocal Phase Shifts and the Attenuation Coefficient for a Waveguide with a Ferrite Plate (Nevzaimnyye fazovyye sdvigi i koeffitsiyent zatukhaniya v volnovode s ferritovoy plastinoy)

PERIODICAL: Radiotekhnika i elektronika, 1958, Vol 3, Nr 9, pp 1133-1143 (USSR)

ABSTRACT: The calculated results of an accurate computation of the phase constant and the attenuation coefficient for a rectangular waveguide with a transversely magnetized ferrite plate are reported. The calculations were made by means of a fast electronic computer. The calculation of the propagation constant γ in the waveguide (see Fig.1) was done on the basis of Eq.(1), where k_0 is the wave number in free space, ϵ is the permittivity of the plate and μ and α are the complex components of the magnetic permittivity tensor whilst h , g and l are the dimensions (see Fig.1). The permittivity tensor is defined by the determinant on p 1134. The non-reciprocal difference of phase shifts, η , was calculated without taking into account the attenuation. The difference η is defined by:

Card 1/4

SOV/109-3-9-3/20

Non-Reciprocal Phase Shifts and the Attenuation Coefficient for a Waveguide with a Ferrite Plate

$$\eta = \gamma'_+ - \gamma'_- \quad (2)$$

where γ_+ and γ_- are the propagation constants for two propagation directions of the waves or for two directions of the magnetization of the plate. The dependence of η on the wavelength λ is illustrated in Fig.2 for various values of g . The bandwidth of the waveguide-ferrite system can be characterised by a frequency coefficient defined by:

$$K = \frac{\eta(\lambda_0 - \Delta\lambda) - \eta(\lambda_0 + \Delta\lambda)}{\eta(\lambda_0)} \frac{\lambda_0}{2\Delta\lambda} \quad (3)$$

where $\Delta\lambda$ is a certain fixed quantity; in this case it was assumed that $\Delta\lambda/\lambda_0 = 5\%$. The dependence of η and K on g for various values of h and ϵ are shown in Figs.3, 4,

Card 2/4

SOV/109-3-9-3/20

Non-Reciprocal Phase Shifts and the Attenuation Coefficient for a Waveguide with a Ferrite Plate

5 and 6. Since the attenuation coefficient in the ferrite was comparatively small, the imaginary part of the propagation constant could be determined from the approximation formula:

$$\gamma'' = \frac{\partial \gamma'}{\partial \epsilon'} \epsilon'' + \frac{\partial \gamma'}{\partial \mu'} \mu'' + \frac{\partial \gamma'}{\partial \alpha'} \alpha'' \quad (4)$$

The calculated results giving the values of the derivatives of Eq.(4) for the two directions of propagation, as a function of g and h are shown in Figs.7, 8 and 9. The attenuation coefficient as a function of g is illustrated in Fig.10. In the region of ferromagnetic resonance the phase constant γ' and the attenuation coefficient γ'' can be determined by finding the complex roots of Eq.(1) for complex values of μ and α . The parameters μ and α were evaluated from Eqs.(8) and (9) respectively; for the purpose of calculations it was assumed that the magnetization curve for the ferrite plate was in the form shown in Fig.11. The calculations were done for a frequency of $\omega/2\pi = 9375$ Mc/s. The phase and attenuation as a function of the magnetizing field H_0 for various values of the

Card 3/4

SOV/109-3-9-3/20

Non-Reciprocal Phase Shifts and the Attenuation Coefficient for a Waveguide with a Ferrite Plate

loss parameter δ are shown in Figs.12. Similar curves are given in Figs.13 and 14 but these show the phase and the attenuation for various values of g and h . The quality factor of the waveguide-ferrite non-reciprocal phase-shifter can be defined by:

$$Q = \frac{\eta}{\gamma_{cp}} \quad (10)$$

where γ_{cp} represents the average attenuation. The calculated values of Q as a function of g are shown in Fig.15 for various values of h . The paper contains 15 figures and 13 references, of which 8 are English and 5 are Soviet.

SUBMITTED: September 20, 1957.

Card 4/4

BOGOMAZ, P.G., inzh.; ZHELEZNIKOV, I.V., inzh.

Improve the quality of hydrogeological studies of earth
roadbeds. Transp. stroi. 12 no.1:62 Ja '62. (MIRA 17:2)

1. Tomgiprotrans.

BOGOMAZ, P.G.

Transportation problems of the Great Angara. Transp. stroi.
13 no.2:16-19 F '63. (MIRA 16:3)

1. Nachal'nik tekhnicheskogo otdela Tomgiprotransa.
(Angara Valley--Hydroelectric power stations)
(Angara Valley--Railroads)

GARLINSKAYA, Yevgeniya Il'ichna; SLAVCHENKO, N.A., inzh.;
BOGOMAZOV, S.F., nauchn. red.; SHUMILOVA, Ye.M., red.

"Handbook on electric cables and wires] Spravochnik po
elektricheskim kabeliam i provodam. Moskva, Vysshaia
shkola, 1964. 200 p. (MIRA 17:6)

KABANOV, A.N.; BOGOMAZ, S.P.

Remote parabolic effects on reflex contractions of skeletal muscles.
Nauch.dokl.vys.shkoly: biol.nauki no.4:82-86 '60. (MIRA 13:11)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh
Moskovskogo gorodskogo pedagogicheskogo instituta im. V.P.Potemkina.
(MUSCLES)
(NERVOUS SYSTEM)
(REFLEXES)

BOGOMAZ, T. A.

BOGOMAZ, T. A.

"On Use of Bigumal in Children. (Clinical and Experimental Research)." Min Public Health Ukrainian SSR, Dnepropetrovsk State Medical Inst, Dnepropetrovsk, 1955. (Dissertation for the Degree of Candidate of Medical Sciences)

SO: M-972, 20 Feb 56

BOGOMAZ, T.A., kand.med.nauk; GINK-LOKSHINA, R.A., kand.med.nauk;
KRASIL'SHCHIK, Z.A.

Clinical anatomical comparisons in staphylococcal pneumonias
in infants. *Pediatrics* 41 no.9:30-35 S '62. (MIRA 15:12)

1. Iz kafedry fakul'tetskoy pediatrii (zav. - dotsent T.A.
Bogomaz) Dnepropetrovskogo meditsinskogo instituta i detskoy
bol'nitsy No.3 (glavnyy vrach L.V.Volkova).
(PNEUMONIA) (STAPHYLOCOCCAL DISEASE)

BOGOMAZ, T.A.

Exocrine function of the pancreas in lambliasis: cholecysto-
pathy in children. Trudy Ukr. resp. nauk. 'ob-va paraz. no.2:
34-40 '63 (MIRA 17:3)

1. Dnepropetrovskiy meditsinskiy institut.

2A

26

Balsam from the balsam fir of the Bryansk Forest Institute Experimental Station. V. A. Bogomaz. *Lesokhim. Prom.* 1939, No. 10, 41-71. KSTW. *Russk. Zhur.* 1940, No. 2, 117.—Canada balsam from *Abies balsamea* grown in Canada and from *Abies balsamea* planted by the Bryansk Forest Inst., resp., had d. 0.0084, 0.0038 (0.0081; wgt 1.5101, 1.5270; acid no. 82-6, 78; emulsification no. 197, 101; ether no. 113, 23; contents of essential oils 20-4, 25.5-20.5%. The "Bryansk" fir balsam is a suitable adhesive for optical parts. W. R. Henn

ABN. SLA METALLURGICAL LITERATURE CLASSIFICATION

Do you know?

Products of the dry distillation of *Evonymus verrucosa* and *Evonymus europaea*. V. A. Begonov (Inst. Wood Ind. Bryansk). *Trudy Inst. Lesn. Khim. Mosk. S.S.S.R.* 11, 202-7 (1953).—*E. verrucosa* (I) and *E. europaea* (II) (1-1.2 kg. charge of wood, air-dried to 7.5% H₂O) were distd. in Fe retorts over 3-3.5 hrs. The products (values in parentheses for II) for the bole without and with bark and for the roots without and with bark were: charcoal (based on I at 7.5% H₂O): 20.4, 30.0, 29.5, and 27.7% (20.6, 30.0, 28.8, and 28.9%); green liquor (III) (based on I at 7.5% H₂O): 49.3, 52.2, 52.8, and 52.3% (52.1, 49.7, 49.7, and 46.1%); pyroigneous acids (IV): density 1.056 in III as a % of I: 36.8, 45.8, 43.8, and 42.9 (42.4, 41.0, and 37.4); tar (V) in III as a % of III: 9.4, 9.4, 9.4 (9.9, 8.1, 8.0, and 8.7); MeOH in IV as a % of IV: 1.0, 2.0, 1.8, and 2.0 (1.9, 1.5, 2.0, and 1.8); HOAc in IV as a % of IV: 11.0, 9.4, 9.0, and 8.4% (12.3, 10.8, 10.8, and 12.0); V contained 13.0, 9.8, 10.1, and 11.0% (11.0, 8.8, 10.1, and 13.1%) H₂O-sol. components; fraction b below 115°: 3.3, 9.3, 12.0, and 9.7% (12.2, 14.5, and 10.6%); fraction b: 115-200°: 2.2, 2.1, 2.1, 10.4, 7.8, 9.8, and 1.7% (2.1, 2.0, 2.0, 13.1, 11.1, 10.4, and 14.1%); fraction c: 200-300°: 1.8, 1.8, 1.4, 1.4% (1.8, 1.8, 1.4, 1.4%); fraction d: 300-400°: 0.1, 0.1, 0.1, 0.1% (0.1, 0.1, 0.1, 0.1%); oils for gasoline stabilization: 10.9, 20.0, 18.0, and 10.0% (19.0, 20.1, 21.5, and 19.3%); and pitch: 33.7, 48.0, 43.4, and 51.0% (37.0, 40.1, 37.1, and 41.3%). V (density 1.11-1.12) contained 10-11% H₂O, and 7-7.2% volatile acids (as HOAc), and the C was of high density, with 2-2.5% ash.

John Lake Kears

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. H.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44229

However, the European spindle trees, having a more powerful root system, develop more rapidly. This makes it more profitable in cultivation. The seeds of the European spindle trees contain fats up to 50%. This makes it possible to consider them an oil bearing crop as well. The seed crop from a 1 hectare plantation 10-15 years old comprises more than 1000 kg. -- A.M. Shironov

Card 2/2

COUNTRY : USSR
 CATEGORY : PLANT PHYSIOLOGY. Heat Regime. 1
 ABO. JOUR. : ZHUR - BIOLOGIYA, NO. 4, 1959. pp. 15303

AUTHOR : Protasenko; Bogomaz
 INST. : Kiev Univ.

TITLE : Changes in the State of the Plastid Apparatus in Different Trees according to Frost Resistance as an Adaptation Criterion.

ORIG. PUB. : Nauk. zap. Kiivs'k. un-t, 1957, 16, No.1, 55-92

ABSTRACT : Changes in the state of the green plastids were followed in the hibernation process in cuttings of the bark and wood of the peach, apricot, the green-gage plum, Calvin white snow apple, Chinese and Antonov apples, ailanthus, beech, etc. The plastids were isolated from the young sections. From September - December, depending upon the wintering, there proceeded a reverse process of a reduced number of plastids, disappearance of

CARD: 1/3

21

COUNTRY
CATEGORY

- PLANT PHYSIOLOGY.

I

ABST. JOUR. REF. ZHUR - BIOLOGIYA, NO. 4, 1959.

AUTHOR
TITLE
SUBJ.

15405

ORIG. JNL. :

ABSTRACT

contour, form, and individualization, and the beginning of granulation and subsequent decomposition into minute fragments or definite forms which were joined into a single mass or into a freely permeable wall with a change in endocytosis content. The above-mentioned variants differed by percentage of the plastids, by extent of their inter-
: restoration of their structure in the spring.

100:

2/5

• SUBJECT :
• CATEGORY : PLANT PHYSIOLOGY.

• C. SIGN. : • AUTHOR BIOLOGIYA, NO. 4, 1959. p. 14-193

• AUTHOR

• ST.

• C. SIGN.

• ORIG. FILE :

• SUMMARY : The author believes that the destruction of the plastids in the winter protects the plants from frost, since free water is converted into a film which is protected by the forces of adsorption.

--B. Ye. Kreytsova

CARD: 043

LAVROV, M.T., kand.sel'skokhozyaystvennykh nauk; BOGOMAZ, V.A., kand.tekhn.
nauk

Effect of radioactivity on the May.bug. Zashch.rast. ot vred.i bol. 3
no.6:53 N-D: '59. (MIRA 11:12)
(Beetles) (Radioactivity--Physiological effect)

BOGOMAZ, V.A.

Polygonum sachalinense F. Schmidt as a new forage plant in Bryansk
Province. Trudy Bot.inst.Ser.6 no.7:264-268 '59.
(MIRA 13:4)

1. Bryanskiy lesokhozyaystvennyy institut.
(Bryansk Province--Knotweed)

PROTSENKO, D.F.; BOGOMAZ, Ye.I.

Effect of various conditions of soil moisture and mineral nutrition on
the growth of seedlings of red and durmast oaks. Nauk.zap.Kiev.un.12 no.7:
37-46 '53. (Oaks) (MLRA 9:10)

PROTSENKO, D.F. [Protsenko, D.P.]; BOGOMAZ, Ye.I. [Bohomaz, K.I.]

Seasonal changes in pigments of the bark of fruit trees with
different frost resistance. Visnyk Kyiv. un no.5. Ser.biol.
no.1: 14-27 '62. (MIRA 16:5)
(BARK) (PIGMENTS) (PLANTS--FROST RESISTANCE)

BOGOMAZOV, A.G., MIRKINA, R.Ye.

Production of lacquered sheet iron at the "Zaporozhstal" Plant.
Metallurg 5 no.7:24-26 J1 '60. (MIRA 13:7)

1. Zavod "Zaporozhstal".
(Sheet iron) (Lacquer and lacquering)